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Serial No:
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IN THE CLAIMS

--1. (Twice Amended) A high voltage resistance, comprising:

at least one support and a flat conductor with length  $L$ , width  $\ell$  and a thickness  $e$  fixed to the support and with a given resistivity  $\rho$ ,

wherein the value  $R$  of the resistance being equal to  $PL/\ell e$ , the value of the length  $L$ , width  $\ell$ , and the thickness  $e$  being defined such that a mass of the flat conductor resists electrical arcing without exceeding [a given temperature] 300°C.--

Claims 18-30 (New).